

Register Number:

Date:

**ST JOSEPH’S COLLEGE (AUTONOMOUS) BENGALURU-560027**

**B.Sc. BOTANY – IV SEMESTER**

**SEMESTER EXAMINATION- APRIL 2018**

**BO 415 –Embryology of Angiosperms, Palynology and Environmental Biology**

**This question paper has ONE printed page and THREE parts**

**Draw diagrams and write examples wherever necessary**

**Time: 1 ½ hr Max. marks: 35**

1. **Write on any FIVE questions in one or two sentences: 5x2=10**
2. Commensalism
3. Integumentary tapetum
4. Bisporic embryo sac
5. Cellular endosperm
6. NPC system
7. Soil profile
8. Green house effect
9. **Write critical notes on any THREE of the following 3x5=15**
10. Structure of anther wall
11. Embryo culture and its significance
12. Ocean ecosystem
13. Ornamentation of non- tectate pollen grains
14. Temperature as a climatic factor
15. **Give a comprehensive account of any ONE of the following 1x10=10**

13. Hydrosere

14. Double fertilization and its significance

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